

Untitled-4 Formatted Alignment

A B C	hUCPH	ATGGTTGGGT TCAAGGCCAC AGATGTGCCC CCTACTGCCA CTGTGAAGTT	50
	hUCP2 (Fleury)	ATGGTTGGGT TCAAGGCCAC AGATGTGCCC CCTACTGCCA CTGTGAAGTT	50
	hUCP2 (Chen, Tularik)	ATGGTTGGGT TCAAGGCCAC AGATGTGCCC CCTACTGCCA CTGTGAAGTT	50
	hUCPH	TCTTGGGGCT GGCACAGCTG CCTGCATCGC AGATCTCATC ACCTTTCCTC	100
	hUCP2 (Fleury)	TCTTGGGGCT GGCACAGCTG CCTGCATCGC AGATCTCATC ACCTTTCCTC	100
	hUCP2 (Chen, Tularik)	TCTTGGGGCT GGCACAGCTG CCTGCATCGC AGATCTCATC ACCTTTCCTC	100
	hUCPH	TGGATACTGC TAAAGTCCGG TTACAGATCC AAGGAGAAAG TCAGGGGCCA	150
	hUCP2 (Fleury)	TGGATACTGC TAAAGTCCGG TTACAGATCC AAGGAGAAAG TCAGGGGCCA	150
	hUCP2 (Chen, Tularik)	TGGATACTGC TAAAGTCCGG TTACAGATCC AAGGAGAAAG TCAGGGGCCA	150
	hUCPH	GTGCGCGCTA CAGC CAGCGC CCAGTACCGC GGTGTGATGG GCACCATTCCT	200
	hUCP2 (Fleury)	GTGCGCGCTA CAGC CAGCGC CCAGTACCGC GGTGTGATGG GCACCATTCCT	200
	hUCP2 (Chen, Tularik)	GTGCGCGCTA CAGC CAGCGC CCAGTACCGC GGTGTGATGG GCACCATTCCT	200
	hUCPH	GACCATGGTG CGTACTGAGG GCCCCGAAG CCTCTACAAT GGGCTGGTTG	250
	hUCP2 (Fleury)	GACCATGGTG CGTACTGAGG GCCCCGAAG CCTCTACAAT GGGCTGGTTG	250
	hUCP2 (Chen, Tularik)	GACCATGGTG CGTACTGAGG GCCCCGAAG CCTCTACAAT GGGCTGGTTG	250
	hUCPH	CCGGCCTGCA GCGCCAAATG AGCTTTGCCT CTGTCCGCAT CGGCCTGTAT	300
	hUCP2 (Fleury)	CCGGCCTGCA GCGCCAAATG AGCTTTGCCT CTGTCCGCAT CGGCCTGTAT	300
	hUCP2 (Chen, Tularik)	CCGGCCTGCA GCGCCAAATG AGCTTTGCCT CTGTCCGCAT CGGCCTGTAT	300
	hUCPH	GATTCTGTCA AACAGTTCTA CACCAAGGGC TCTGAGCATG CCAGCATTTGG	350
	hUCP2 (Fleury)	GATTCTGTCA AACAGTTCTA CACCAAGGGC TCTGAGCATG CCAGCATTTGG	350
	hUCP2 (Chen, Tularik)	GATTCTGTCA AACAGTTCTA CACCAAGGGC TCTGAGCATG CCAGCATTTGG	350
	hUCPH	GAGCCGCTC CTAGCAGGCA GCACCACAGG TGCCCTGGCT GTGGCTGTGG	400
	hUCP2 (Fleury)	GAGCCGCTC CTAGCAGGCA GCACCACAGG TGCCCTGGCT GTGGCTGTGG	400
	hUCP2 (Chen, Tularik)	GAGCCGCTC CTAGCAGGCA GCACCACAGG TGCCCTGGCT GTGGCTGTGG	400
	hUCPH	CCCAGCCCAC GGATGTGGTA AAGGTCCGAT TCCAAGCTCA GGCCCGGGCT	450
	hUCP2 (Fleury)	CCCAGCCCAC GGATGTGGTA AAGGTCCGAT TCCAAGCTCA GGCCCGGGCT	450
	hUCP2 (Chen, Tularik)	CCCAGCCCAC GGATGTGGTA AAGGTCCGAT TCCAAGCTCA GGCCCGGGCT	450
	hUCPH	GGAGGTGGTC GGAGATACCA AAGCACCGTC AATGCCTACA AGACCATTTGC	500
	hUCP2 (Fleury)	GGAGGTGGTC GGAGATACCA AAGCACCGTC AATGCCTACA AGACCATTTGC	500
	hUCP2 (Chen, Tularik)	GGAGGTGGTC GGAGATACCA AAGCACCGTC AATGCCTACA AGACCATTTGC	500
	hUCPH	CCGAGAGGAA GGGTTCCGGG GCCTCTGGAA AGGGACCTCT CCCAATGTTG	550
	hUCP2 (Fleury)	CCGAGAGGAA GGGTTCCGGG GCCTCTGGAA AGGGACCTCT CCCAATGTTG	550
	hUCP2 (Chen, Tularik)	CCGAGAGGAA GGGTTCCGGG GCCTCTGGAA AGGGACCTCT CCCAATGTTG	550
	hUCPH	CTCGTAATGC CATTTGTCAAC TGTGCTGAGC TGGTGACCTA TGACCTCATC	600
	hUCP2 (Fleury)	CTCGTAATGC CATTTGTCAAC TGTGCTGAGC TGGTGACCTA TGACCTCATC	600
	hUCP2 (Chen, Tularik)	CTCGTAATGC CATTTGTCAAC TGTGCTGAGC TGGTGACCTA TGACCTCATC	600
	hUCPH	AAGGATGCCC TCCTGAAAGC CAACCTCATG ACAGATGACC TCCCTTGCCA	650
	hUCP2 (Fleury)	AAGGATGCCC TCCTGAAAGC CAACCTCATG ACAGATGACC TCCCTTGCCA	650
	hUCP2 (Chen, Tularik)	AAGGATGCCC TCCTGAAAGC CAACCTCATG ACAGATGACC TCCCTTGCCA	650

Untitled-5 Formatted Alignment

A hUCP2 (Fleury)	MGEKATDVP PPAVVKRICA GPVAGIADLIT ITPEDVAVR ITOIGESOG	50
B hUCP2 (Chen, Tularik)	MGEKATDVP PPAVVKRICA GPVAGIADLIT ITPEDVAVR ITOIGESOG	50
C hUCPH	MGEKATDVP PPAVVKRICA GPVAGIADLIT ITPEDVAVR ITOIGESOG	50
hUCP2 (Fleury)	VRATSAOYR GVCCHHILW RDEPSSIN CLVAGTOROM SIVSVRIHLY	100
hUCP2 (Chen, Tularik)	VRATSAOYR GVCCHHILW RDEPSSIN CLVAGTOROM SIVSVRIHLY	100
hUCPH	VRATSAOYR GVCCHHILW RDEPSSIN CLVAGTOROM SIVSVRIHLY	100
hUCP2 (Fleury)	DSVKQFYTKG SEIASIGSRL IAGSHIGALA VAVOPIBW KVRQOARA	150
hUCP2 (Chen, Tularik)	DSVKQFYTKG SEIASIGSRL IAGSHIGALA VAVOPIBW KVRQOARA	150
hUCPH	DSVKQFYTKG SEIASIGSRL IAGSHIGALA VAVOPIBW KVRQOARA	150
hUCP2 (Fleury)	GGRRYOSIV NAKITAREE GREGAKGIS ENVARNAVN QAHNVYDRI	200
hUCP2 (Chen, Tularik)	GGRRYOSIV NAKITAREE GREGAKGIS ENVARNAVN QAHNVYDRI	200
hUCPH	GGRRYOSIV NAKITAREE GREGAKGIS ENVARNAVN QAHNVYDRI	200
hUCP2 (Fleury)	KDALLKANEM IDDHPCHTS ARGAGCHIV IASVDVWNT RMNSALCOY	250
hUCP2 (Chen, Tularik)	KDALLKANEM IDDHPCHTS ARGAGCHIV IASVDVWNT RMNSALCOY	250
hUCPH	KDALLKANEM IDDHPCHTS ARGAGCHIV IASVDVWNT RMNSALCOY	250
hUCP2 (Fleury)	SSAGHCALIM LQKECPARY KGMPSHRL GSNWVWMT MDOKRAVMT	300
hUCP2 (Chen, Tularik)	SSAGHCALIM LQKECPARY KGMPSHRL GSNWVWMT MDOKRAVMT	300
hUCPH	SSAGHCALIM LQKECPARY KGMPSHRL GSNWVWMT MDOKRAVMT	300
hUCP2 (Fleury)	AGTSREAPP	309
hUCP2 (Chen, Tularik)	AGTSREAPP	309
hUCPH	AGTSREAPP	309

Figure 2